Title (en)

INTEGRAL SELF-SUPPORTING REFRACTORY CHECKER BRICK MODULES FOR GLASS FURNACE REGENERATOR STRUCTURES, AND METHODS OF FORMING SAME

Title (de)

SELBSTTRAGENDE INTEGRIERTE FEUERFESTE GITTERBACKSTEINMODULE FÜR REGENERATORSTRUKTUREN EINES GLASSCHMELZOFENS UND VERFAHREN ZUR FORMUNG DAVON

Title (fr)

MODULES RÉFRACTAIRES INTÉGRÉS AUTOPORTANTS DE TYPE RUCHES POUR STRUCTURES DE RÉGÉNÉRATEURS DE FOUR À VERRE, ET LEURS PROCÉDÉS DE FORMATION

Publication

EP 3253718 B1 20210421 (EN)

Application

EP 16704537 A 20160202

Priority

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Abstract (en)

[origin: WO2016126676A1] Refractory checker brick modules for glass furnace regenerators are provided which include multiple preformed refractory checker bricks (e.g., tubular checker bricks, cruciform checker bricks, interweave checker bricks, interlock checker bricks, pigeon-hole checker bricks, basket weave checker bricks and the like) stacked in multiple off-set courses to form a honeycomb structure thereof, the checker bricks in the module being bonded to one another by a bonding agent.

IPC 8 full level

C03B 5/237 (2006.01); **C21B 9/02** (2006.01); **F27D 1/00** (2006.01); **F27D 1/04** (2006.01); **F27D 1/06** (2006.01)

CPC (source: CN EP KR US)

C03B 5/2375 (2013.01 - CN EP KR US); **C03B 5/43** (2013.01 - KR); **C21B 9/02** (2013.01 - EP US); **F27D 1/0006** (2013.01 - EP KR US); **F27D 1/042** (2013.01 - EP KR US); **F27D 1/06** (2013.01 - EP KR US); Y02P 40/50 (2015.11 - EP KR US)

Designated contracting state (EPC)

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WO 2016126676 A1 20160811; AU 2016215479 A1 20170803; AU 2016215479 B2 20190829; CN 107278199 A 20171020; CN 107278199 B 20200908; EP 3253718 A1 20171213; EP 3253718 B1 20210421; ES 2877501 T3 20211117; GB 201503141 D0 20150408; JP 2018506499 A 20180308; JP 6698667 B2 20200527; KR 102491530 B1 20230126; KR 20170115576 A 20171017; MX 2017009464 A 20171102; PL 3253718 T3 20211220; US 10260813 B2 20190416; US 2016231058 A1 20160811

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